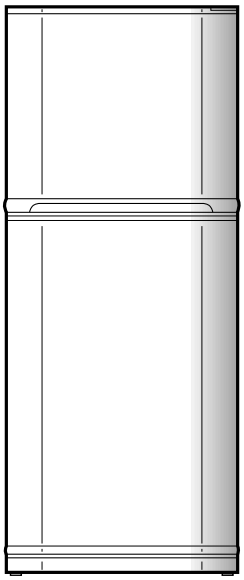
SHARP SERVICE MANUAL

S1603SE55APRE



REFRIGERATOR-FREEZER

MODELS SJ-48G-S/N
SJ-51G-S/N
SJ-55G-S/N

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

CE

This equipment complies with the requirements of Directives 89/336/EEC and 73/23/EEC as amended by 93/68/EEC.

DESTINATION ..... E, I

Refrigerant; HFC-134a
Refer to "HFC-134a COOLING UNIT" Service Manual for handling this refrigerant.

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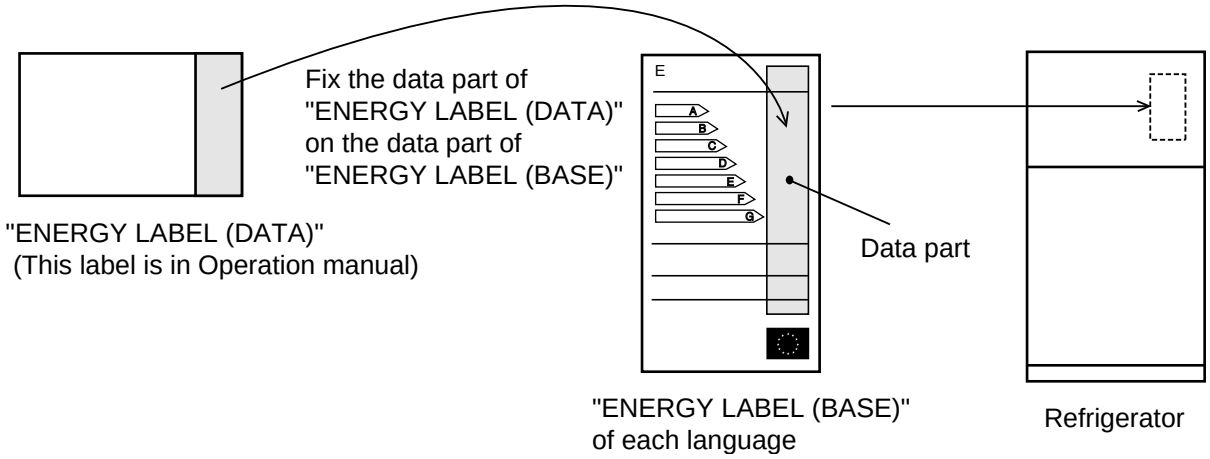
SHARP CORPORATION

ENERGY LABEL

Usage of "the ENERGY LABEL"

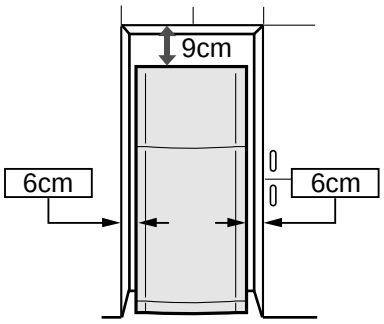
When displaying this refrigerator in the shop-window, attach the "ENERGY LABEL" to it in the following procedure.



INSTALLATION

Free standing type

To ensure adequate ventilation for this refrigerator, install with 6 cm space at the rear and both sides, with a minimum space of 9 cm above the refrigerator.



- This refrigerator shall be used under the ordinary place condition between +5˚C and +43˚C of ambient temperature, and also not be left under -10˚C for long days.
- To be used this refrigerator within the range of the rated voltage ±10%.

SPECIFICATIONS

Items		SJ-48G-S/N	SJ-51G-S/N	SJ-55G-S/N
Type		2-Door	2-Door	2-Door
Outer dimensions	Height	1620mm(63.8")	1700mm(66.9")	1820mm(71.7")
	Width	735mm(28.9")	735mm(28.9")	735mm(28.9")
	Depth	700mm(27.6")	700mm(27.6")	700mm(27.6")
Rated storage volume		443 liter(15.6 cu.ft) F: 139 liter(4.9 cu.ft) R: 304 liter(10.7 cu.ft)	473 liter(16.7 cu.ft) F: 139 liter(4.9 cu.ft) R: 334 liter(11.8 cu.ft)	521 liter(18.4 cu.ft) F: 139 liter(4.9 cu.ft) R: 382 liter(13.5 cu.ft)
Rated gross volume		475 liter(16.8cu.ft) F: 163 liter(5.8 cu.ft) R: 312 liter(11.0cu.ft)	505 liter(17.8 cu.ft) F: 163 liter(5.8 cu.ft) R: 342 liter(12.0cu.ft)	550 liter(19.4 cu.ft) F: 163 liter(5.8 cu.ft) R: 387 liter(13.6cu.ft)
Defrosting	System	Heater system		
	Start	Automatic		
	Finish	Automatic		
Temperature control		Automatic (Adjustable)		
No-frost freezer		Yes		
Interior lamp		1		
Caster		4		
Evaporating pan		1		
Refrigerator Compartment	Refrigerator shelf	1	2	3
	Glass shelf	1		
	Fruit and Vegetable crisper	1		
	Egg pocket	1		
	Egg holder	2		
	Bottle pocket	2		
	Free pocket	1		2
	Chilled case	1		
Freezer Compartment	Freezer shelf L	1		
	Freezer shelf S	1		
	Ice cube maker	Twin ice cube maker		
	Ice cube box	1		

SOURCE AND COMP. AND NET WEIGHT

Items		SJ-48G-S/N	SJ-51G-S/N	SJ-55G-S/N
Rated voltage	(V)	220/230/240		
Rated frequency	(Hz)	50		
Climate class		T		
Rated input	(W)	172/178/184	182/186/190	
Rated input of heating elements	(W)	137/150/163		
Refrigerant (Charging quantity)		HFC-134a(125g)	HFC-134a(130g)	
Net weight	(kg)	79	84	88

COLOR

Items	SJ-48G-S, SJ-51G-S, SJ-55G-S	SJ-48G-N, SJ-51G-N, SJ-55G-N
Outside color	White	Gray
Inside color	White	White

THE FICHE (according to ANNEX Ⅱ : 94/2/EC)

NO.	Items	Description			Remarks
1	Trade mark	SHARP	SHARP	SHARP	
2	Model name	SJ-48G	SJ-51G	SJ-55G	
3	Type	Category; 7 Refrigerator/ Freezer	Category; 7 Refrigerator/ Freezer	Category; 7 Refrigerator/ Freezer	
4	Energy efficiency class	E	E	E	
5	Eco-award mark	———	———	———	880/92
6	Energy consumption (220V 50Hz at 25˚C)	864 kWh/year	864 kWh/year	934 kWh/year	EN153
7	Net storage volume of fresh food storage compartment	304 L	334 L	382 L	
8	Net storage volume of fresh frozen food storage compartment	139 L	139 L	139 L	
9	Star rating of frozen food compartment	4-STAR ****	4-STAR ****	4-STAR ****	
10	No frost	No frost	No frost	No frost	
11	Temperature rise time	7 h	7 h	7 h	
12	Freezing capacity	8 kg /24h	8 kg /24h	8 kg /24h	
13	Climate class	T	T	T	
14	Noise	———	———	———	86/594/EEC dB(A) re 1 pw

DESIGNATION OF VARIOUS PARTS

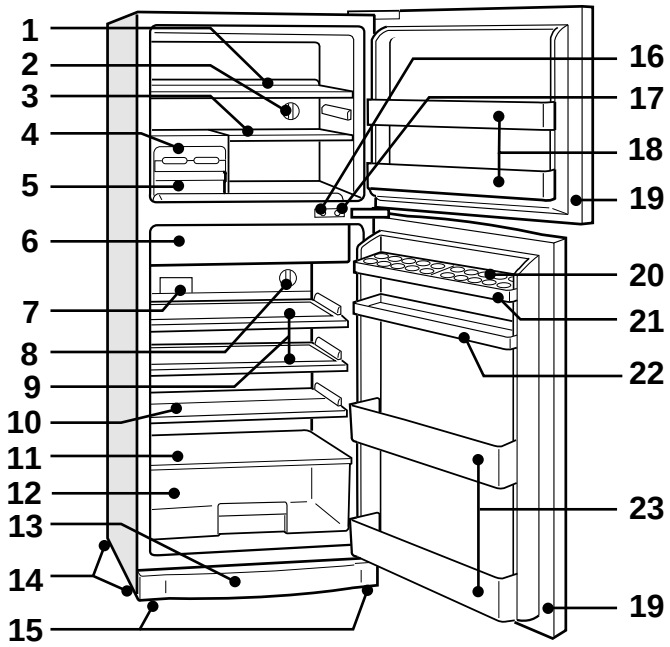
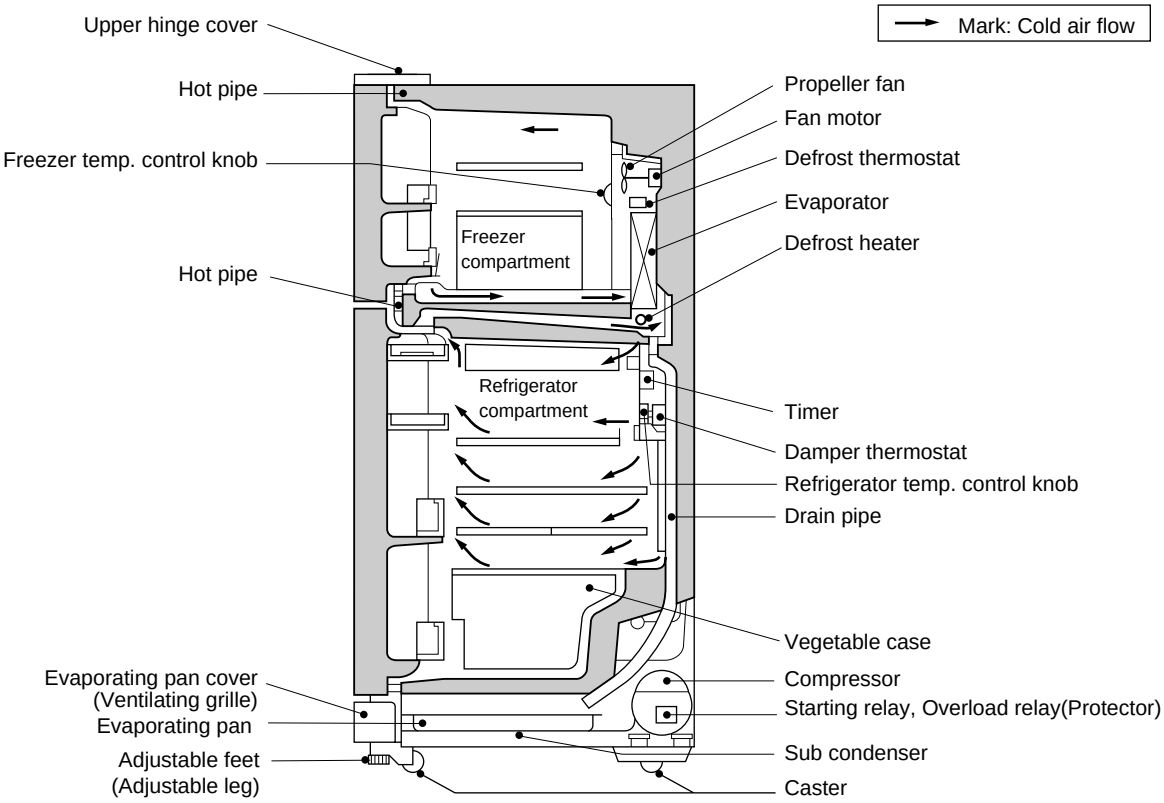


Figure D-1. External Description

※ The names in parenthesis are the denominations used in the REPLACEMENT PARTS LIST.

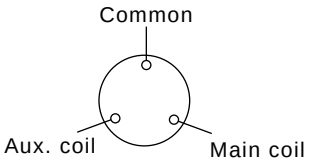
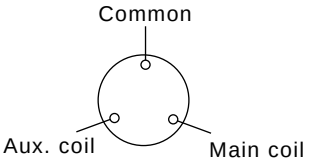
1. Freezer shelf (L) (Freezer tray L silk)
2. Freezer temp. control knob
3. Freezer shelf (S) (Freezer tray S silk)
4. Ice cube maker
5. Ice cube box (Ice storage box)
6. Chilled case
7. Light (Lamp)
8. Refrigerator temp. control knob
9. Refrigerator shelf(Ref. tray silk)
   (SJ-48G type 1, SJ-51G type 2, SJ-55G type 3)
10. Three position adjustable shelf (Free set shelf)
11. Glass shelf
12. Fruit and Vegetable crisper (Vegetable case)
13. Evaporating pan & Cover
14. Caster
15. Adjustable feet (Adjustable leg)
16. Fan switch
17. Fan & light switch
18. Freezer pocket (F door pocket HS)
19. Magnetic door seal (Door packing)
20. Egg holder (Egg tray)
21. Egg pocket (Egg pocket HS)
22. Free pocket (Utility pocket HS)
    (SJ-48G type 1, SJ-51G type 1, SJ-55G type 2)
23. Bottle pocket (Bottle pocket HS)



※ This figure shows SJ-51G.

Figure D-2. Constructions

LIST OF ELECTRICAL PARTS

Items	SJ-48G	SJ-51G, SJ-55G
Source	220/230/240V 50Hz	
Climate class	T	
Thermostat	Type: MM1-8025 ON: –17±5˚C OFF: –22±1.5˚C(at normal notch)	
Damper thermostat	Type: MM1-6129 Baffle opened 1.5˚C(at normal notch) Baffle closed –3±1.5˚C	
Timer	Type: TMDF904FD2, Integration type Cycle 10hours 50 min., Working time about 4min. 20sec. 50Hz	
Fuse ass'y	Thermo. fuse Type: SF70E 250V 10A Working temp. 70±2˚C or MTG4A50072 250V 10A Working temp. 72±2˚C	
Defrost thermostat	Type: US602S 250V 8A OPEN 10±3˚C CLOSE 1±3˚C	
Door switch	3 terminals push-button 250V 0.25A	
Lamp socket	250V 1A E-12(HARD PLASTIC BODY TYPE)	
Lamp	240V 10W E-12	
Fan motor	Type: MH15SAF-TJA5 or 3R00044B 200/240V 50Hz	
Compressor	Type: GL-90BH 50Hz(OIL COOLING) Cooling capacity 180W Main coil 8.8Ω Aux. coil 17.7Ω(at 20˚C) Terminal 	Type: GL-99BH 50Hz(OIL COOLING) Cooling capacity189W Main coil 8.5Ω Aux. coil 15Ω(at 20˚C) Terminal 
Starting relay	PTC/UH-3003 14Ω 350V	
Overload relay(Protector)	4TM276NFBYY OFF 120˚C ON 61˚C	4TM308NFBYY OFF 120˚C ON 61˚C
Running capacitor	6μF / 400V	
Defrost heater	220V 137.1W / 230V 150W / 240V 164.9W 353Ω	

WIRING DIAGRAM

Be sure to replace the electrical parts with specified ones for maintaining the safety and performance of the set.

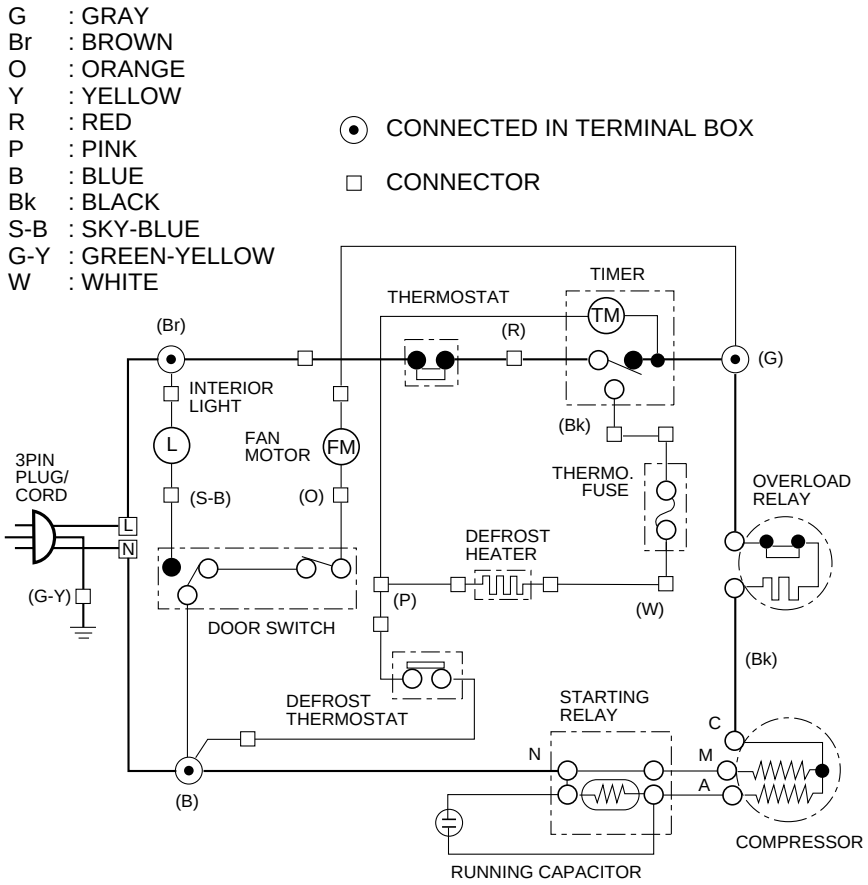


Figure W-1. Wiring Diagram

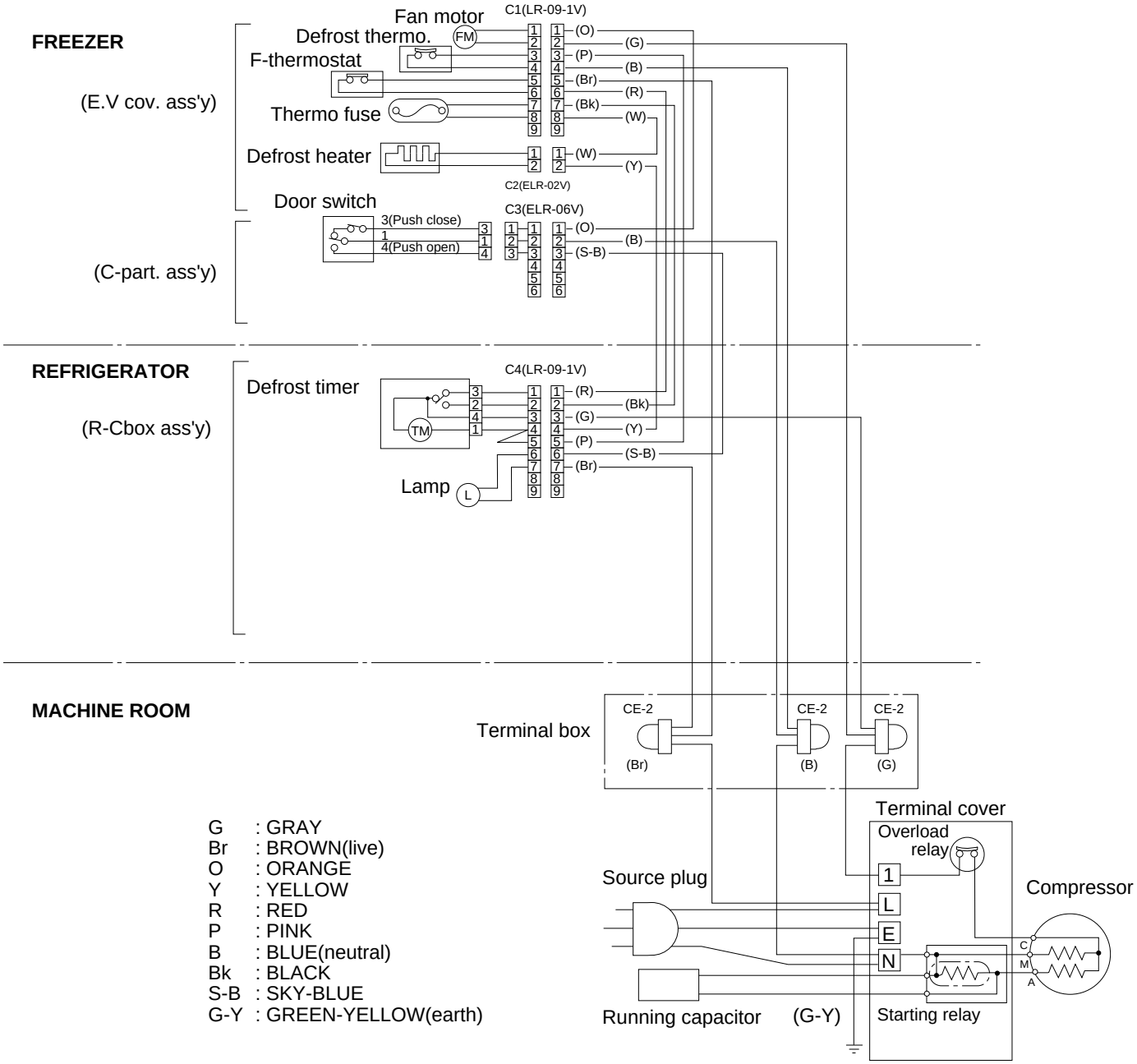


Figure W-2. Electric Accessories Layout

FUNCTIONS

1. ADJUSTABLE TEMPERATURE CONTROL

(1) Temperature control of freezer

- Thermostat (freezer temperature sensing thermostat) operates on ON/OFF switchover to control the compressor and allows the freezer temperature to keep at a suitable temperature.
- However adjust the freezer temp. control knob as follows depending upon the storing condition of foods.

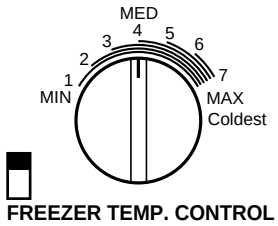


Figure F-1.

KNOB SETTING	PURPOSE
MAX(Coldest)	● For making ice rapidly or fast freezing.
⬆	● When restocking with fresh food.
MED	● For normal freezing.
⬇	● For storing frozen food for a short period (up to one month).
MIN	● When frozen food or ice cream is not stored.

(2) Temperature control of refrigerator

- Damper-thermostat senses temperature of the refrigerator and changes the opening angle of the damper automatically.
  However, as the Damper-thermostat has no function to switch on or off the compressor and cool air circulating fan, the freezer temperature control causes temperature in the refrigerator to vary to some extent.
- However, adjust the refrigerator temp. control knob as follows depending upon the cooling condition.

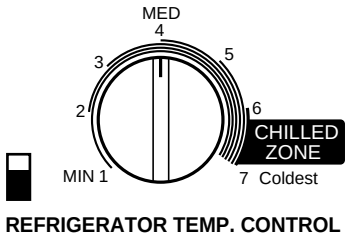


Figure F-2.

KNOB SETTING	PURPOSE
CHILLED ZONE (Coldest)	● For keeping freshness of food longer.
⬆	● When the refrigerator does not provide sufficient cooling.
MED	● For normal operation.
⬇	● When the refrigerator provides excessive cooling.
MIN	

NOTE:
- The refrigerator temperature is affected also by the freezer temperature. If the freezer temp. control knob is set at the position "MAX", the temperature tends to be lower than the following values, and if set at near the position "MIN", temperature tends to be higher.
- If the refrigerator is operated for a long time with the freezer temperature control sets the "MAX" position, foods stored in the refrigerator compartment may also freeze.
- When refrigerator temperature control sets to the "CHILLED ZONE", some foods stored may freeze. In this case adjust control set back to the "MED" position.
- When refrigerator temperature control sets to the "CHILLED ZONE", some foods stored in fresh cases may also become frozen.

(3) Reference value of temperature

SETTING OF FREEZER TEMP. CONTROL KNOB	MAX (Coldest)	MED	MIN
Freezer temperature	Approx. -21˚C	Approx. -18˚C	Approx. -15˚C

SETTING OF REFRIGERATOR TEMP. CONTROL KNOB	CHILLED ZONE (Coldest)	MED	MIN
Refrigerator temperature	Approx. 0˚c	Approx. 3˚c	Approx. 6˚c
Chilled room temperature	Approx. -3˚c	Approx. 1˚c	Approx. 4˚c

The values shown above refer to the case where the freezer temp. control knob is set at "MED".

The values tables above refer to the measurement carried out center area and 1/3 of overall height from the bottom at each of the refrigerator and the freezer after machine has been operated at an ambient temperature of 32˚C with no food stored and the door closed until the temperature is stabilized.
The values vary depending upon frequency of opening and closing the door, ambient temperature, amount of stored foods and manner of storing foods.

2. DEFROSTING

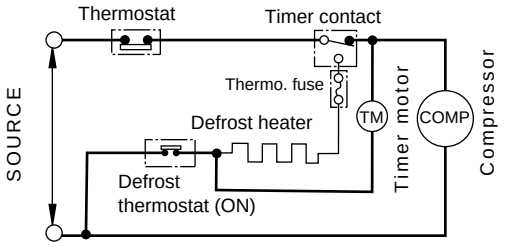
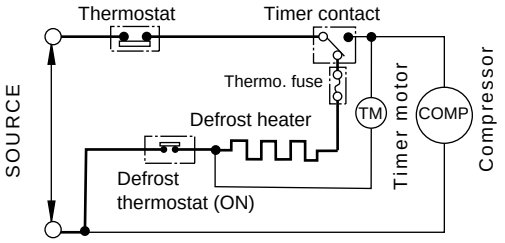
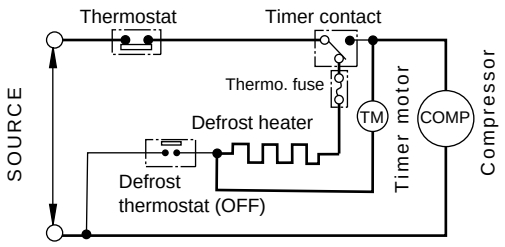
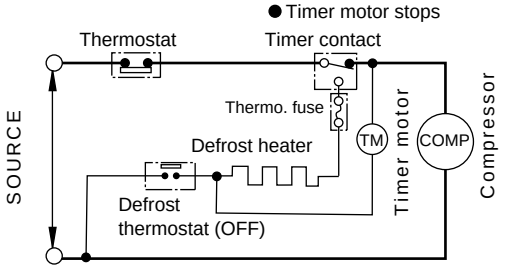
(1) No defrosting operation is necessary

No defrosting operation is necessary.
As this machine is so designed that a built-in evaporator cools air and a fan circulates cooled air, neither the freezer nor the refrigerator is frosted, though the evaporator is frosted.
The frosted evaporator is defrosted automatically due to the function of defrosting timer and heater, requiring no defrosting operation.

(2) Where is melted ice brought

1. Melted ice is brought into the evaporating pan at the bottom of the set and is evaporated here by the heat of sub condenser.
2. Be sure that the evaporating pan is inserted correctly and is level.

(3) The following circuit diagrams in the table show automatic defrosting function of the refrigerator with timer and defrost thermostat.

Operation	Electric diagram	Description
1. Cooling (Normal)	● Defrost thermostat ON ● Compressor running ● Timer motor running  Figure F-3.	The integration timer integrates running time of the compressor. When it reaches 10 hours 50 min. at 50Hz, the timer contact is changed to start defrosting.
2. Defrosting (Time 20 to 30 min.)	● Defrost thermostat ON ● Compressor stops ● Timer motor stops  Figure F-4 .	● The timer contact is changed to start defrosting, the timer motor stops, and power is supplied to the defrost heater. ● It takes about 20 to 30 min. to defrost. The defrost time will vary depending upon the amount of frost.
3. Drain (Time approx. 5 min.)	● Defrost thermostat OFF ● Compressor stops ● Timer motor running  Figure F-5.	When the defrost thermostat turns OFF, the timer motor starts running. During the operation time(4 min. 20 sec. /50Hz) defrosted water is drained outside the refrigerator.
4. Cooling (start) (Time approx. 5 min.)	● Defrost thermostat OFF ● Compressor running ● Timer motor stops  Figure F-6.	● Timer contact is changed to cooling operation and the compressor starts running and the timer motor stops. ● Defrost thermostat contact becomes ON when it's cooled. And the timer motor starts running. (Figure F-3.)

(4) As a reference to determine the causes of trouble, malfunction and phenomena are described below. Refer to the following when repairing.

1. Disconnection of defrost heater
As off-cycle defrosting is performed, the defrosting time is extremely prolonged. Each time defrosting is started, the freezer temperature rises and a portion of ice and stored foods are melted.

2. Melted thermo. fuse or opened-circuit due to the defect of defrost thermostat.
When the above mentioned trouble occurs in cooling operation, the timer motor does not run, defrosting will not take place, and consequently freezing is caused. In the above mentioned condition, when the timer shaft is turned by hand to defrost, the timer motor runs during the operation time. However, the motor stops from the time when the contact is changed, and freezing causes.

NOTE:
- As the thermo. fuse assembly is intended to prevent dangers, do not use it under shorted condition even for a short period.

3. DEW PREVENTION

The hot pipe, namely D.P.-condenser, is arranged around the flange part of cabinet and the C-partition plate, preventing dew from being generated on the cabinet.

NOTE:
- D.P.-condenser pipe may be felt hot if touched by hand while the compressor is in operation.
- If you are asked about this, please explain that the hot pipe serve to prevent the dew generation.

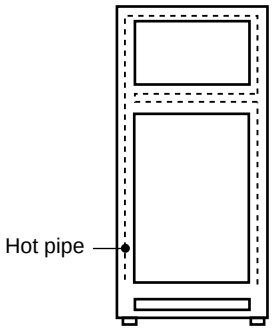


Figure F-7.

4. INSPECTION OF INITIAL STARTING

(1) Inspection of cooling unit

1. Set the temperature control knob to "MAX" and check that the compressor starts to operate.
2. Depress the door switch to run the fan and check that cool air is blown out of the cold air outlet of the freezer and the refrigerator.
3. When the compressor does not work, check that the timer is not set to "defrost" position.
4 It takes about an hour and a half or two hours to put food in the refrigerator after starting operation.

NOTE:
- After return the temperature control knob to "MED" position.
- When the refrigerator is operated initially after installed, the compressor may vibrate excessively for 1 to 2 min.
  However, vibration becomes normal if it is continuously operated.

(2) Inspection of defrost device

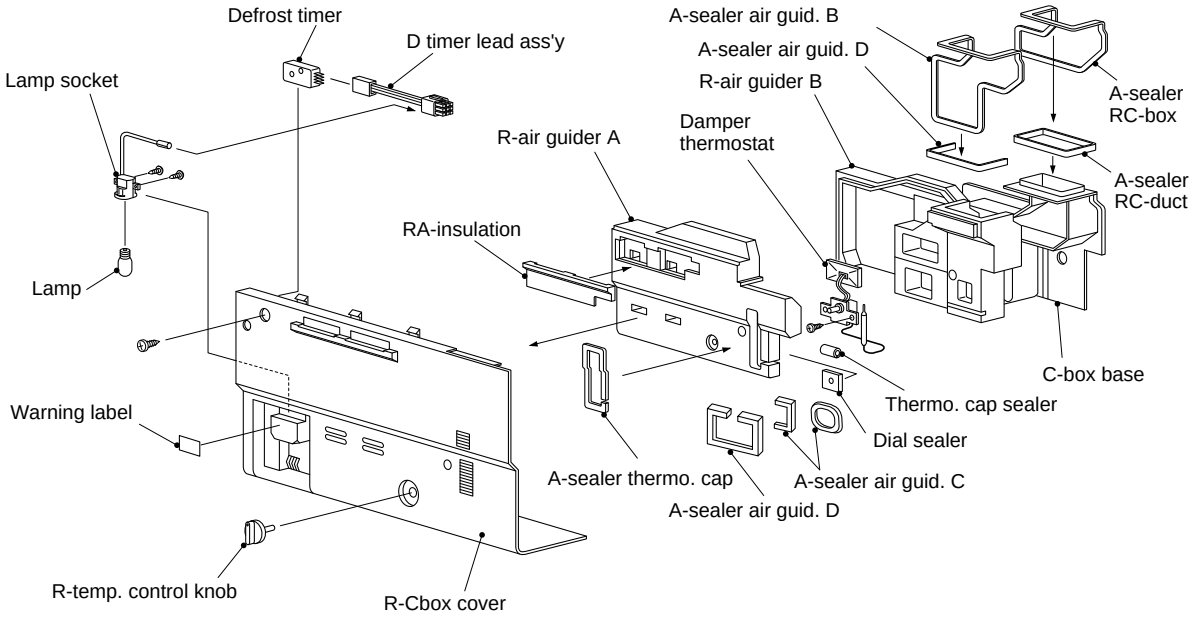
Operate the refrigerator for 20 to 30 min. and then check the defrost device in the following procedures :
Allow 5 min. to restart the compressor since immediate starting after stopping will cause unsmooth operation.

1. Turn the timer shaft clockwise with a screw driver.
   At this time, make certains the timer clinks and the compressor stops.
2. After more than 5 min., turn the shaft further to operate.
   Make certain cooling operation is started again.

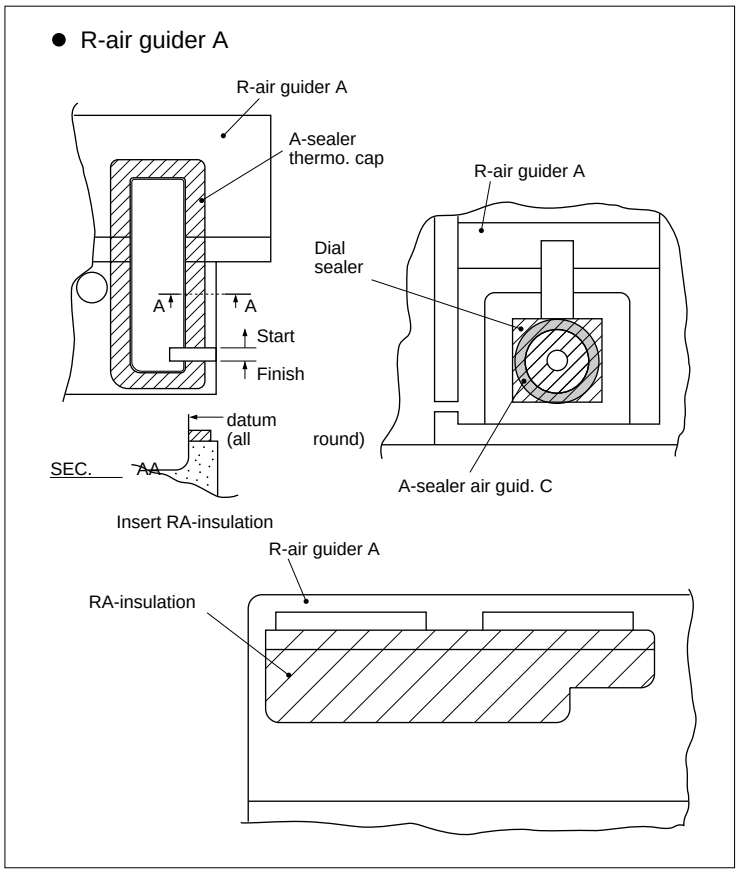
ASSEMBLING PROCEDURES OF MAIN PARTS AND CAUTIONS

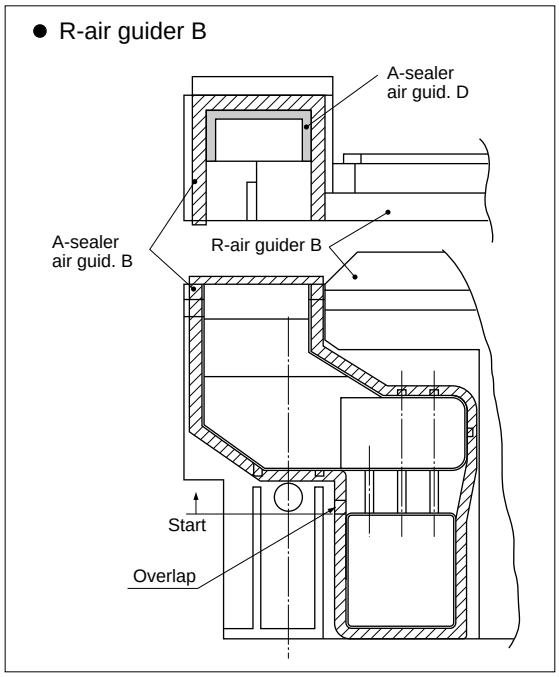
CAUTION: DISCONNECT THE UNIT FROM THE POWER SUPPLY BEFORE ANY REPAIRING.

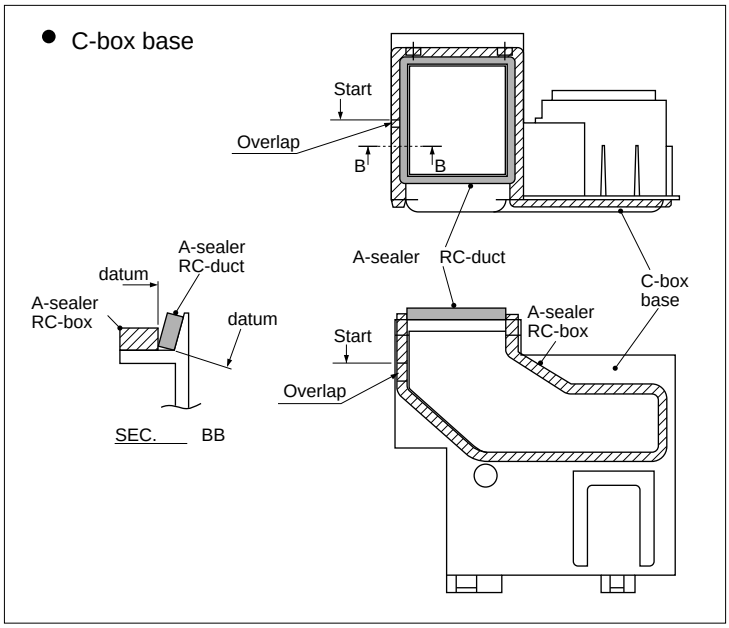
1. R-CONTROL COV. ASSEMBLY

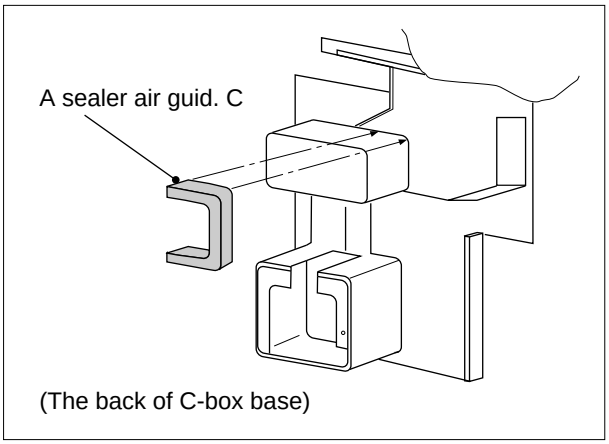


(1) Sticking of SEALER

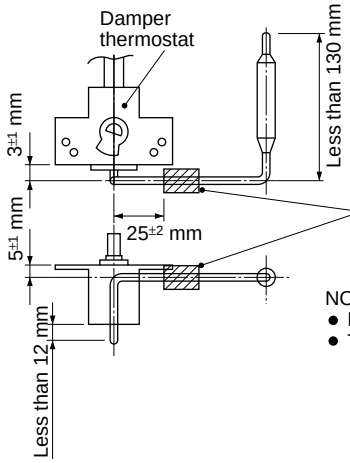






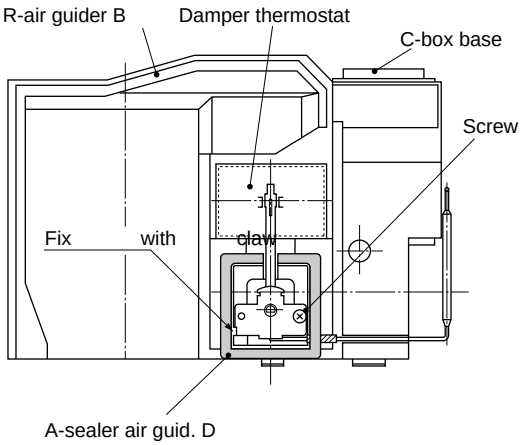


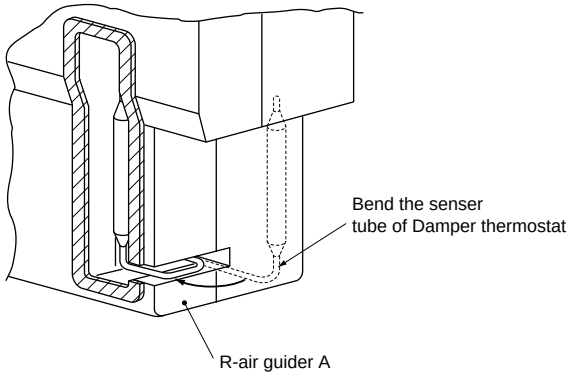
(2) Forming sensor of Damper thermostat

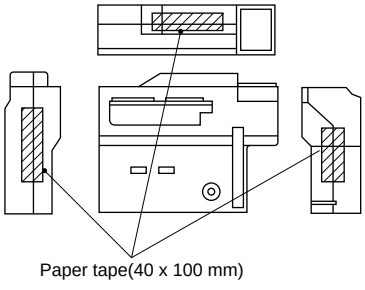


NOTE
- Minimum bending radius is R5.
- There should be no gas leak by reforming of sensor tube.

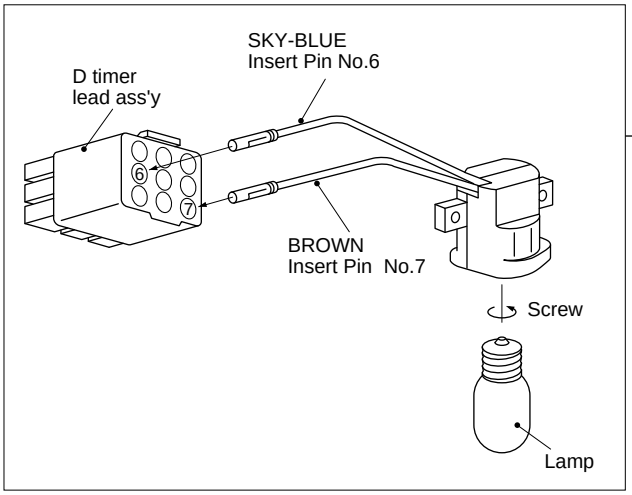
(3) Setting of C-box base, Damper thermostat, R-air guider A and R-air guider B

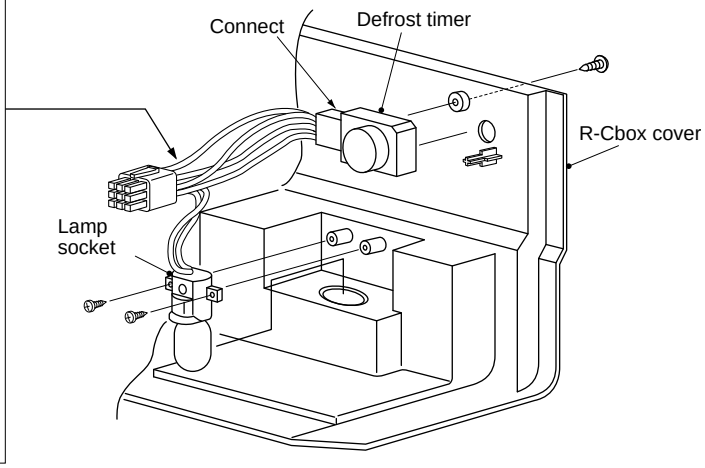




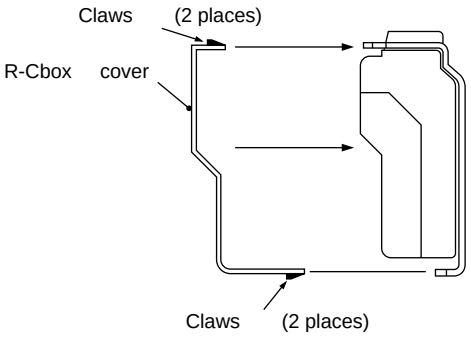


(4) Fixing of Lamp socket, Defrost timer

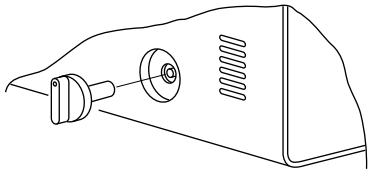




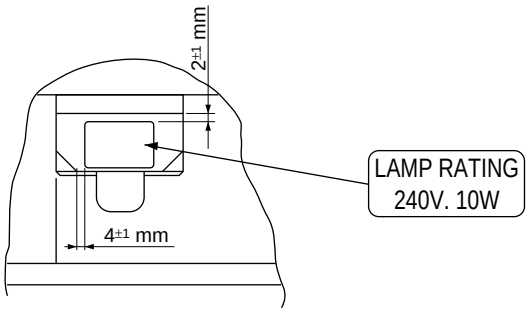
(5) Fixing of R-Cbox cover



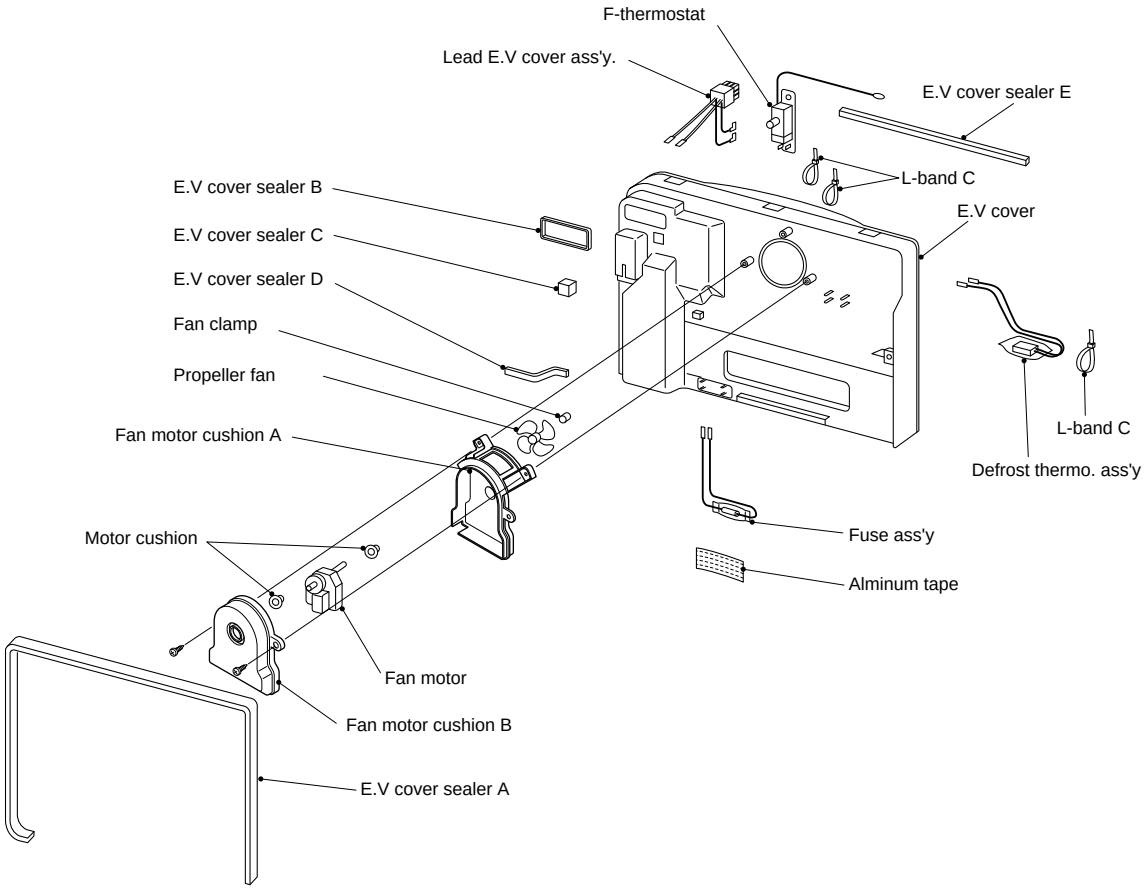
- Set R-temp. control knob



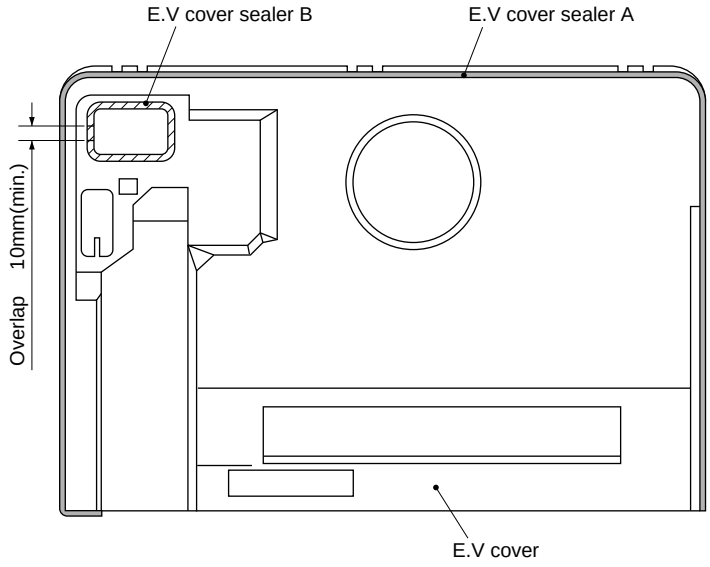
- Stick Warning label



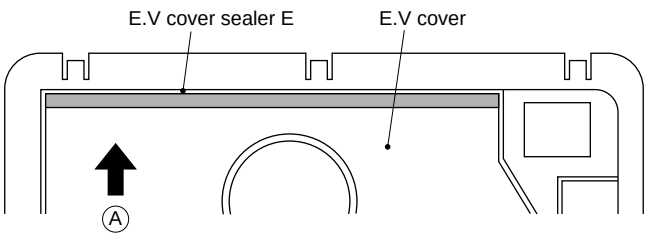
2. E.V COVER ASSEMBLY



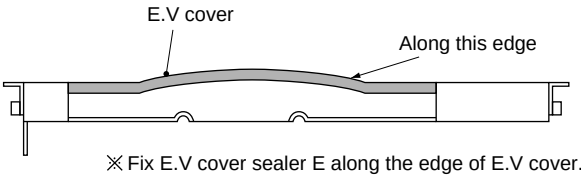
(1) Sticking of sealer to E.V cover



[Front View]

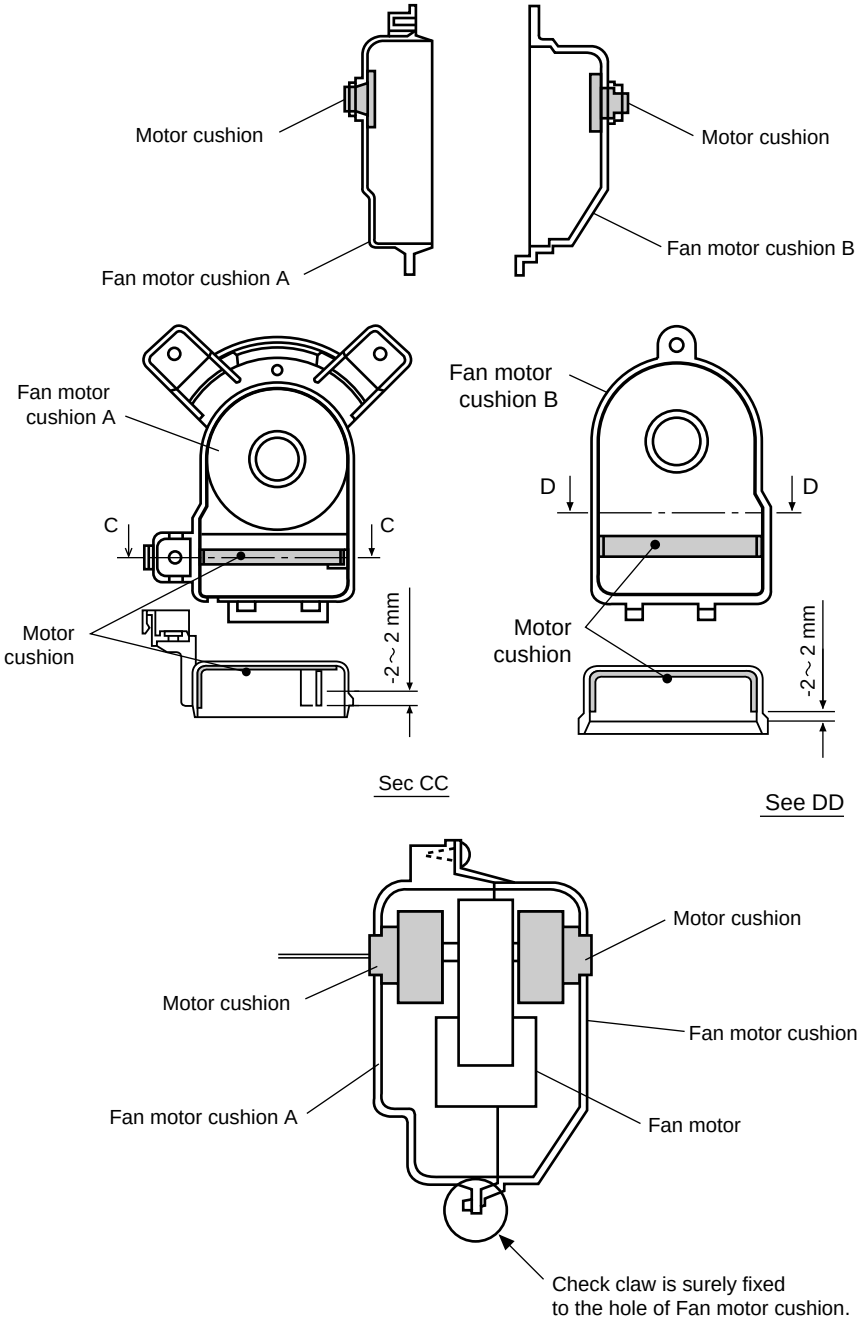


[View from Ⓐ direction]

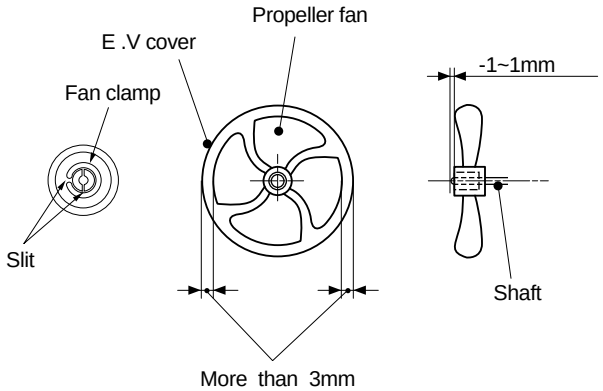


※ Fix E.V cover sealer E along the edge of E.V cover.

(2) Fixing of Fan motor and Fan

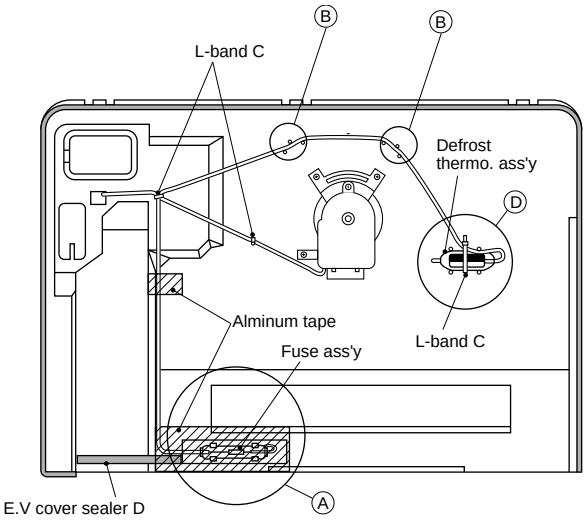


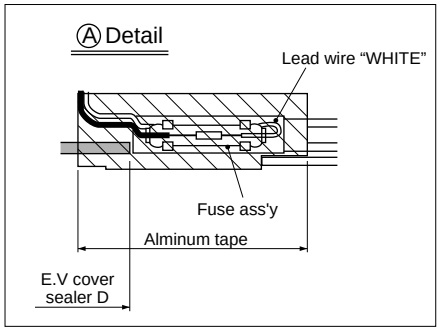
Set Fan clamp to Propeller fan and insert it to the shaft of Fan motor.

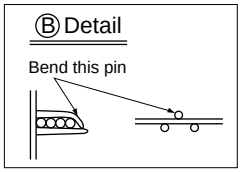


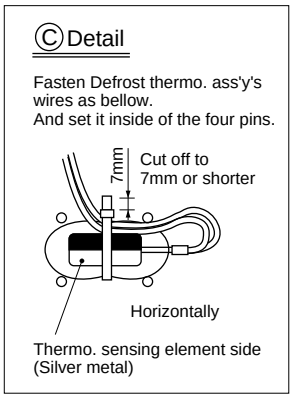
Slit of each Fan clamp and Propeller fan should not be at same position.

(3) Wiring of Lead Wire

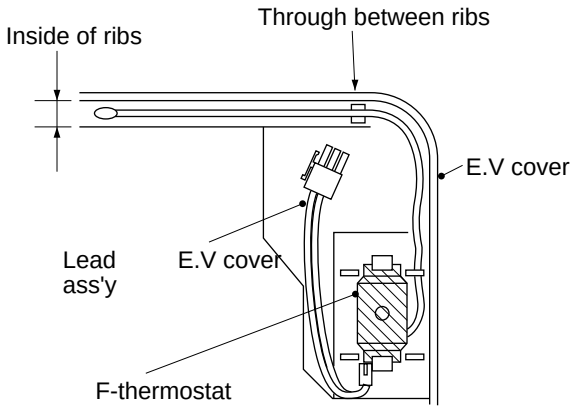


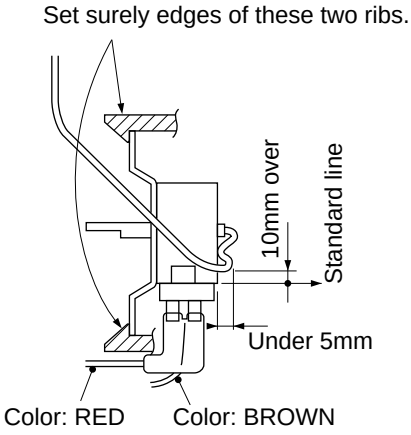




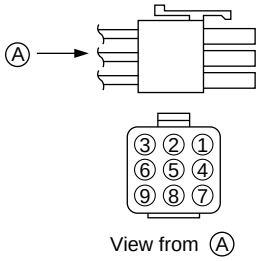


(4) Setting of Lead E.V cover ass'y and F-thermostat



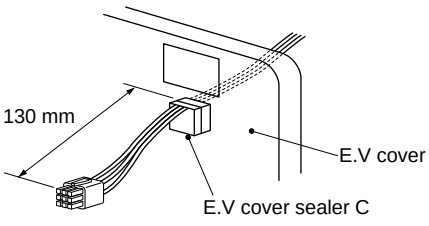


(5) Wiring of Connector



1. Lead E.V cover ass'y
2. Lead E.V cover ass'y
3. Pink lead of Defrost thermo. ass'y
4. Blue lead of Defrost thermo. ass'y
5. Lead E.V cover ass'y
6. Lead E.V cover ass'y
7. Black lead of Fuse ass'y
8. White lead of Fuse ass'y
9. No connect

(6) Fixing of E.V cover sealer C



COOLING UNIT

→ Mark: Refrigerant flow
✕ Mark: Brazing portion

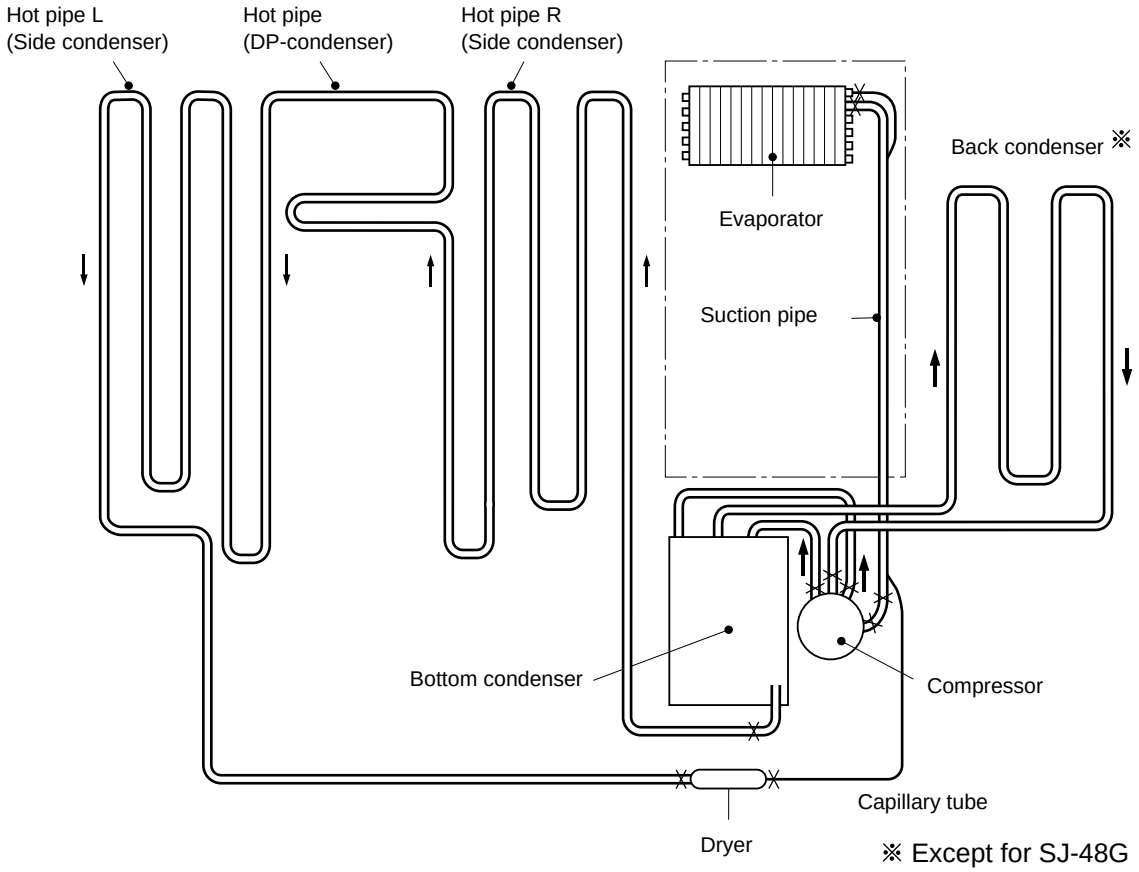


Figure C-1. Cooling unit

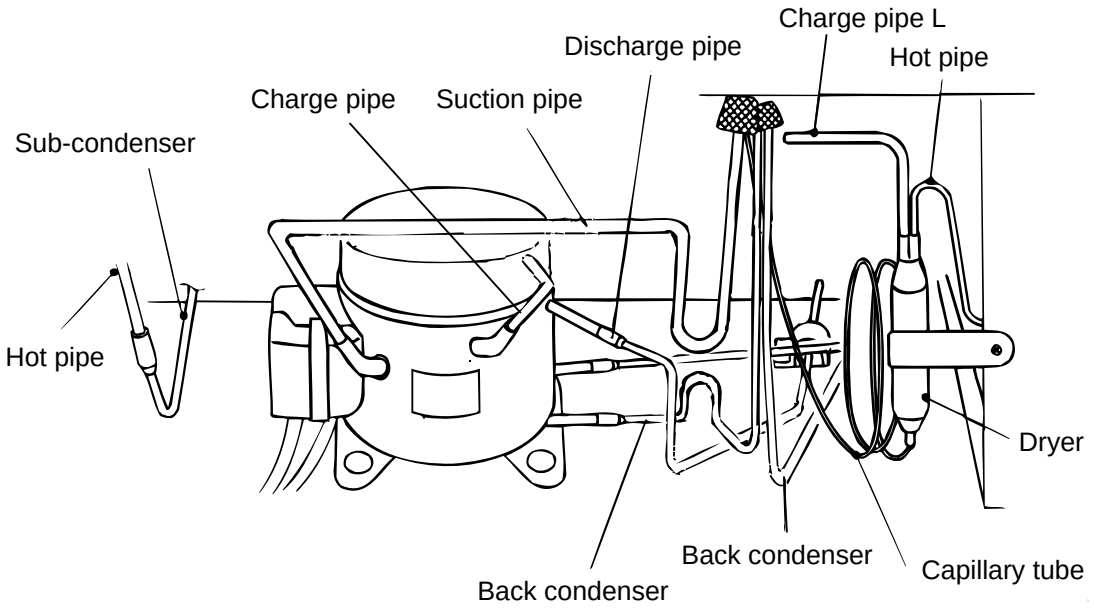


Figure C-2. Location

REPLACEMENT PARTS LIST(SJ-48G)

REF. NO.	PART NO.	DESCRIPTION	Q'TY		CODE
			SJ-48G -N	SJ-48G -S	
ELECTRIC PARTS					
1- 1	RTHM-A057CBE0	F-thermostat	1	1	BA
1- 2	RSTT-A105CBE0	Starting relay	1	1	AN
1- 3	QSWTDA035CBE0	Defrost timer	1	1	BB
1- 4	PDMP-A025CBE0	Damper thermostat	1	1	AZ
1- 5	FTHM-A012CBK0	Defrost thermo.ass'y	1	1	AQ
1- 6	RMOTRA040CBE0	Fan motor	1	1	AZ
1- 7	QSOCAA047CBE0	Lamp socket	1	1	AM
1- 8	RLMP-A012CBE0	Lamp	1	1	AH
1- 9	QACC-A097CBE0	Source cord	1	1	AV
1- 9	QACC-A104CBE0	Source cord(Only for U.K)	1	1	AZ
1-10	QSW-PA056CBEA	Door switch	1	1	AP
1-11	RHOG-A091CBE0	Protector	1	1	AN
1-15	RC-EZA124CBE0	Running capacitor	1	1	AX
1-16	FW-VZA108CBE0	Earth wire	1	1	AE
1-17	FFS-TA036CBK0	Fuse ass'y	1	1	AN
1-19	FW-VZA109CBE0	D timer lead ass'y	1	1	AN
1-20	FW-VZA110CBE0	Lead EV cover ass'y	1	1	AP
1-21	FHETBA112CBE0	Def. heater ass'y	1	1	AR
1-22	QCNW-A634CBE0	Relay wire G	1	1	AE
1-23	QCNW-A635CBE0	Relay wire B	1	1	AE
1-24	QCNW-A636CBE0	Relay wire BR	1	1	AE
1-25	QTAN-A032CBE0	Terminal block	1	1	AE
MECHANICAL PARTS					
2- 1	LSTPPA078CBFA	Back spacer	1	1	AD
2- 2	JKNB-A036CBFA	F-temp. control knob	1	1	AL
2- 4	LPLTMA404CBE0	Fl plate AL.	1	1	AD
2- 7	FLEGPA045CBK0	Leg holder L ass'y	1	1	AQ
2- 7-1	FAJS-A009CBK0	Adjustable leg ass'y	2	2	AD
2- 7-2	LHLD-A354CBM0	Leg holder L	1	1	AE
2- 8	FLEGPA046CBK0	Leg holder R ass'y	1	1	AQ
2- 8-2	LHLD-A355CBM0	Leg holder R	1	1	AE
2-11	PSPAVA074CBEA	Bottom hinge spacer	1	1	AD
2-13	DHNG-A274CBM0	Upper hinge ass'y	1	1	AK
2-14	DHNG-A275CBM0	Bottom hinge R ass'y	1	1	AK
2-15	DHNG-A276CBK0	C-hinge RD ass'y	1	1	AN
2-15-1	PSPAVA075CBEA	Center hinge spacer	1	1	AD
2-16	GCOV-A141CBFA	E.V cover	1	1	AV
2-17	LCRA-A010CBE0	Fan clamp	1	1	AD
2-19	LHLD-A389CBF0	Motor cushion	2	2	AF
2-20	NFANPA011CBF0	Propeller fan	1	1	AD
2-21	PSEL-B128CBE0	E.V cover sealer A	1	1	AD
2-22	PSEL-B129CBE0	E.V cover sealer B	1	1	AD
2-23	PSEL-A415CBE0	E.V cover sealer C	1	1	AC
2-24	PCOVPA164CBFA	Terminal cover	1	1	AE
2-26	PCOV-A151CBFA	Lamp cover	1	1	AF
2-27	GCOVPA087CBRA	R-Cbox cover	1	1	AT
2-28	HGRL-A149CBRA	Fan louver	1	1	AW
2-29	GCOV-A140CBFB	Upper hinge cover	-	1	AE
2-29	GCOV-A140CBFG	Upper hinge cover	1	-	AF
2-31	JKNB-A033CBFA	R-temp.control knob	1	1	AD
2-33	LRALPA114CBFA	C-case rail L	1	1	AE
2-34	LRALPA115CBFA	C-case rail R	1	1	AE
2-36	PCAP-A006CBFJ	Screw cover	-	1	AD
2-36	PCAP-A006CBFL	Screw cover	1	-	AB
2-38	PGID-A119CBF0	R-air guider A	1	1	AH
2-39	LFRM-A202CBFA	C-box base	1	1	AK
2-40	PFPFPA809CBF0	RA-insulation	1	1	AD
2-41	PSEL-B244CBE0	Thermo. cap. sealer	1	1	AB
2-42	PGID-A118CBF0	R-air guider B	1	1	AG
2-49	LSTPPA074CBFA	C-stopper	2	2	AD
2-55	HGRL-A135CBFA	Multi louver	1	1	AL
2-56	PFPFPA824CBF0	R-louver insu.	1	1	AE
2-57	PSEL-B143CBE0	A-sealer R-louver	2	2	AC
2-61	LHLD-A235CBE0	SL-4N clip	1	1	AK
2-62	DCOV-A061CBK0	Harness cover ass'y	1	1	AK
2-63	LHLD-A388CBF0	Fan motor cushion B	1	1	AF
2-64	LHLD-A392CBF0	Fan motor cushion A	1	1	AE
2-65	PSEL-B259CBE0	Motor cushion	1	1	AB

REF. NO.	PART NO.	DESCRIPTION	Q'TY		CODE
			SJ-48G -N	SJ-48G -S	
2-66	PSHEMA132CBP0	Heater cover AL	1	1	AD
2-67	LPLTMA403CBP0	Drain support AL	1	1	AL
2-68	PSEL-A562CBE0	Leading wire sealer	2	2	AC
2-69	PSEL-B127CBE0	E.V cover sealer D	1	1	AC
2-70	PSEL-B167CBE0	E.V cover sealer E	1	1	AB
2-71	PSEL-A552CBE0	Dial sealer	1	1	AC
2-72	PSEL-B120CBE0	A-sealer RC-box	1	1	AB
2-73	PSEL-B121CBE0	A-sealer RC-duct	1	1	AD
2-74	PSEL-B122CBE0	A-sealer thermo. cap.	1	1	AB
2-75	PSEL-B124CBE0	A-sealer air guid. B	1	1	AB
2-76	LHLD-A124CBFB	K-frame holder	1	1	AH
2-78	LPLTMA399CBP0	Dryer support	1	1	AD
2-80	PBOX-A071CBFA	Terminal box	1	1	AE
2-81	PPIPPA055CBE0	Drain pipe S	1	1	AG
2-82	PTUBBA043CBE0	Insulating tube	1	1	AG
2-83	PSEL-B242CBE0	A-sealer air guid. C	2	2	AC
2-84	PSEL-B243CBE0	A-sealer air guid. D	2	2	AD

DOOR PARTS

3- 2	HDECAA072CBEB	Handle trim	1	1	AX
3- 5	FDORFA731CBK0	F-door ass'y	-	1	BQ
3- 5	FDORFA802CBK0	F-door ass'y	1	-	BP
3- 5-1	LSTPPA075CBFA	F-door stopper	1	1	AP
3- 5-2	NBRGPA013CBFB	Nylon bearing 2	1	1	AH
3- 6	FPACGA204CBK0	F-door packing	1	1	AZ
3- 9	GLIN-A145CBFA	F-door liner	1	1	AX
3-10	PFPFPA810CBE0	F-liner plate	2	2	AD
3-12	PFPFPA852CBE0	F-liner plate bottom	1	1	AD
3-14	PSEL-B126CBE0	F-door sealer	2	2	AG
3-15	FDORRA576CBK0	R-door ass'y	-	1	BR
3-15	FDORRA679CBK0	R-door ass'y	1	-	BT
3-15-1	LSTP-A043CBM0	R-door stopper	1	1	AH
3-15-2	NBRGPA012CBF0	Nylon bearing R	1	1	AE
3-15-3	NBRGPA014CBFB	Nylon bearing 3	1	1	AH
3-16	GLIN-A148CBEA	R-door liner	1	1	AX
3-17	FPACGA207CBK0	R-door packing	1	1	AZ
3-20	PFPFPA822CBE0	R-liner plate	2	2	AF
3-25	HBDGDA710CBEA	Badge	1	1	AP

OTHER PARTS

4- 1	LBND-A023CBE0	L-band C	7	7	AC
4- 3	LX-VZA003CBE0	Special screw	2	2	AB
4- 9	QTAN-A012CBE0	Solderless term. B	3	3	AH
4-14	PSPANA002CBF0	Door spacer	1	1	AC
4-15	LX-BZA018CBE0	Special screw	1	1	AA
4-17	LX-WZA003CBE0	Washer	4	4	AA

ATTACHMENT PARTS

5- 1	UPOK-A120CBRA	Bottle pocket HS	2	2	AQ
5- 2	UPOK-A117CBRA	Egg pocket HS	1	1	AM
5- 3	UPOK-A119CBRA	F door pocket HS	2	2	AT
5- 4	UPOK-A118CBRA	Utility pocket HS	1	1	AM
5- 5	UTNA-A167CBFC	Egg tray	2	2	AG
5- 6	FSRA-A142CBY0	Ice cube maker	1	1	AR
5- 7	LFRM-A200CBFA	Ice maker	1	1	AW
5- 8	USRA-A174CBRA	Ref.tray silk	1	1	AX
5- 9	USRA-A176CBRA	Freezer tray L silk	1	1	AT
5-11	USRA-A175CBRA	Freezer tray S silk	1	1	AU
5-12	HDECQA360CBEA	Glass shelf trim	1	1	AK
5-13	HGRL-A132CBFA	Ventilating grille	1	-	AR
5-13	HGRL-A132CBFB	Ventilating grille	-	1	AN
5-14	USRA-A177CBFA	Evaporating pan	1	1	AS
5-15	UTNA-A227CBE0	Glass shelf	1	1	BB
5-16	UYOK-A180CBFA	Vegetable case	1	1	AZ
5-17	UYOK-A181CBFA	Ice storage box	1	1	AH
5-18	UYOK-A179CBFA	Chilled case	1	1	AS
5-19	GDORPA042CBRA	Chilled door HS	1	1	AP
5-20	UTNA-A228CBRA	F-set shelf F silk	1	1	AU
5-21	UTNA-A229CBFA	Free set shelf B	1	1	AS

REF. NO.	PART NO.	DESCRIPTION	Q'TY		CODE
			SJ-48G -N	SJ-48G -S	
CYCLE PARTS					
6- 1	PCMPLA134CBE0	Compressor	1	1	BY
6- 2	PSPAGA028CBE0	Rubber grommet	4	4	AD
6- 3	FCONSA052CBK0	Sub. condenser ass'y	1	1	AQ
6- 4	FFRM-A085CBK0	Base frame ass'y	1	1	AG
6- 5	FDRY-A006CBK0	Dryer ass'y	1	1	AT
6- 6	PCLI-A035CBE0	Clip	1	1	AC
6- 9	PSPAFA020CBE0	Sleeve	4	4	AB
6-11	PPIPCA220CBE0	S.P connector	1	1	AH
6-12	LANG-A024CBP0	Absorbent rubber CLM	1	1	AC
6-13	LHLD-A061CBF0	Evaporating pan holder	2	2	AD
6-14	PGUM-A002CBF0	Absorbent rubber B	1	1	AH
6-15	PGUM-A003CBF0	Absorbent rubber B	1	1	AH
6-16	PGUM-A004CBF0	Absorbent rubber A	1	1	AH
6-18	PPIPCA222CBE0	Charge pipe L	2	2	BC
6-21	PCOVPA165CBE0	Terminal cover	1	1	AF
MISCELLANEOUS					
90- 1	TINS-A312CBR0	Operation manual(8-languages)	1	1	AK
90- 2	TLAB-A092CBR0	Lamp label	1	1	AD
90- 3	SPAKCH054YDE0	Packing case 48G	1	1	BE
90- 4	TLAB-A625CBR0	Energy label(Data)	1	1	AB
90- 6	CPADBA501YDK0	Bottom pad ass'y	1	1	AY
90- 7	CPADBA495YDK0	Top pad ass'y	1	1	AS
90- 8	TLAB-A637CBR0	Energy label (GB)	1	1	AG
90- 9	TLAB-A638CBR0	Energy label (D)	1	1	AG
90-10	TLAB-A639CBR0	Energy label (F)	1	1	AG
90-11	TLAB-A640CBR0	Energy label (E)	1	1	AG
90-12	TLAB-A641CBR0	Energy label (I)	1	1	AG
90-13	TLAB-A642CBR0	Energy label (GR)	1	1	AG
90-14	TLAB-A643CBR0	Energy label (P)	1	1	AG
90-15	TLAB-A644CBR0	Energy label (NL)	1	1	AG
90-16	TLAB-A635CBE0	Case label S	-	4	AE
90-16	TLAB-A646CBE0	Case label N	4	-	AE
90-17	TLAB-A636CBE0	CE label	2	2	AE
90-18	TINS-A321CBR0	Operation manual I(only for U.K.)	1	1	AK

HOW TO ORDER REPLACEMENT PARTS

To have your order filled prompty and correctly, please furnish the following information.

1. MODEL NUMBER 2. REF. NO.
3. PART NO. 4. DESCRIPTION

REPLACEMENT PARTS LIST(SJ-51G/SJ-55G)

REF. NO.	PART NO.	DESCRIPTION	Q'TY				CODE
			SJ-51G -N	SJ-51G -S	SJ-55G -N	SJ-55G -S	
ELECTRIC PARTS							
1- 1	RTHM-A057CBE0	F-thermostat	1	1	1	1	BA
1- 2	RSTT-A105CBE0	Starting relay	1	1	1	1	AN
1- 3	QSWTDA035CBE0	Defrost timer	1	1	1	1	BB
1- 4	PDMP-A025CBE0	Damper thermostat	1	1	1	1	AZ
1- 5	FTHM-A012CBK0	Defrost thermo.ass'y	1	1	1	1	AQ
1- 6	RMOTRA040CBE0	Fan motor	1	1	1	1	AZ
1- 7	QSOCAA047CBE0	Lamp socket	1	1	1	1	AM
1- 8	RLMP-A012CBE0	Lamp	1	1	1	1	AH
1- 9	QACC-A097CBE0	Source cord	1	1	1	1	AV
1- 9	QACC-A104CBE0	Source cord(Only for U.K)	-	-	1	1	AZ
1-10	QSW-PA056CBEA	Door switch	1	1	1	1	AP
1-11	RHOG-A084CBE0	Protector	1	1	1	1	AN
1-15	RC-EZA124CBE0	Running capacitor	1	1	1	1	AX
1-16	FW-VZA108CBE0	Earth wire	1	1	1	1	AE
1-17	FFS-TA036CBK0	Fuse ass'y	1	1	1	1	AN
1-19	FW-VZA109CBE0	D timer lead ass'y	1	1	1	1	AN
1-20	FW-VZA110CBE0	Lead EV cover ass'y	1	1	1	1	AP
1-21	FHETBA112CBE0	Def.heater ass'y	1	1	1	1	AR
1-22	QCNW-A634CBE0	Relay wire G	1	1	1	1	AE
1-23	QCNW-A635CBE0	Relay wire B	1	1	1	1	AE
1-24	QCNW-A636CBE0	Relay wire BR	1	1	1	1	AE
1-25	QTAN-A032CBE0	Terminal block	1	1	1	1	AE
MECHANICAL PARTS							
2- 1	LSTPPA078CBFA	Back spacer	1	1	1	1	AD
2- 2	JKNB-A036CBFA	F-temp. control knob	1	1	1	1	AL
2- 4	LPLTMA404CBE0	FL plate AL.	1	1	1	1	AD
2- 7	FLEGPA045CBK0	Leg holder Lass'y	1	1	1	1	AQ
2- 7-1	FAJS-A009CBK0	Adjustable leg ass'y	2	2	2	2	AD
2- 7-2	LHLD-A354CBM0	Leg holder L	1	1	1	1	AE
2- 8	FLEGPA046CBK0	Leg holder R ass'y	1	1	1	1	AQ
2- 8-2	LHLD-A355CBM0	Leg holder R	1	1	1	1	AE
2-11	PSPAVA074CBEA	Bottom hinge spacer	1	1	1	1	AD
2-13	DHNG-A274CBM0	Upper hinge ass'y	1	1	1	1	AK
2-14	DHNG-A275CBM0	Bottom hinge R ass'y	1	1	1	1	AK
2-15	DHNG-A276CBK0	C-hinge RD ass'y	1	1	1	1	AN
2-15-1	PSPAVA075CBEA	Center hinge spacer	1	1	1	1	AD
2-16	GCOV-A141CBFA	E.V cover	1	1	1	1	AV
2-17	LCRA-A010CBE0	Fan clamp	1	1	1	1	AD
2-19	LHLD-A389CBF0	Motor cushion	2	2	2	2	AF
2-20	NFANPA011CBF0	Propeller fan	1	1	1	1	AD
2-21	PSEL-B128CBE0	E.V cover sealer A	1	1	1	1	AD
2-22	PSEL-B129CBE0	E.V cover sealer B	1	1	1	1	AD
2-23	PSEL-A415CBE0	E.V cover sealer C	1	1	1	1	AC
2-24	PCOVPA164CBFA	Terminal cover	1	1	1	1	AE
2-26	PCOV-A151CBFA	Lamp cover	1	1	1	1	AF
2-27	GCOVPA087CBRA	R-Cbox cover	1	1	1	1	AT
2-28	HGRL-A149CBRA	Fan louver	1	1	1	1	AW
2-29	GCOV-A140CBFB	Upper hinge cover	-	1	-	1	AE
2-29	GCOV-A140CBFG	Upper hinge cover	1	-	1	-	AF
2-31	JKNB-A033CBFA	R-temp.control knob	1	1	1	1	AD
2-33	LRALPA114CBFA	C-case rail L	1	1	1	1	AE
2-34	LRALPA115CBFA	C-case rail R	1	1	1	1	AE
2-36	PCAP-A006CBFJ	Screw cover	-	1	-	1	AD
2-36	PCAP-A006CBFL	Screw cover	1	-	1	-	AB
2-38	PGID-A119CBF0	R-air guider A	1	1	1	1	AH
2-39	LFRM-A202CBFA	C-box base	1	1	1	1	AK
2-40	PFPFPA809CBF0	RA-insulation	1	1	1	1	AD
2-41	PSEL-B244CBE0	Thermo. cap sealer	1	1	1	1	AB
2-42	PGID-A118CBF0	R-air guider B	1	1	1	1	AG
2-49	LSTPPA074CBFA	C-stopper	2	2	2	2	AD
2-55	HGRL-A134CBFA	Multi louver	1	1	1	1	AL
2-56	PFPFPA814CBF0	R-louver insu.	1	1	1	1	AE
2-57	PSEL-B130CBE0	A-sealer R-louver	2	2	2	2	AB
2-61	LHLD-A235CBE0	SL-4N clip	1	1	1	1	AK
2-62	DCOV-A061CBK0	Harness cover ass'y	1	1	1	1	AK
2-63	LHLD-A388CBF0	Fan motor cushion B	1	1	1	1	AF
2-64	LHLD-A392CBF0	Fan motor cushion A	1	1	1	1	AE
2-65	PSEL-B259CBE0	Motor cushion	1	1	1	1	AB

REF. NO.	PART NO.	DESCRIPTION	Q'TY				CODE
			SJ-51G -N	SJ-51G -S	SJ-55G -N	SJ-55G -S	
2-66	PSHEMA132CBP0	Heater cover AL	1	1	1	1	AD
2-67	LPLTMA403CBP0	Drain support AL	1	1	1	1	AL
2-68	PSEL-A562CBE0	Leading wire sealer	2	2	2	2	AC
2-69	PSEL-B127CBE0	E.V cover sealer D	1	1	1	1	AC
2-70	PSEL-B167CBE0	E.V cover sealer E	1	1	1	1	AB
2-71	PSEL-A552CBE0	Dial sealer	1	1	1	1	AC
2-72	PSEL-B120CBE0	A-sealer RC-box	1	1	1	1	AB
2-73	PSEL-B121CBE0	A-sealer RC-duct	1	1	1	1	AB
2-74	PSEL-B122CBE0	A-sealer thermo.cap.	1	1	1	1	AB
2-75	PSEL-B124CBE0	A-sealer air guid.B	1	1	1	1	AD
2-76	LHLD-A124CBFB	K-frame holder	1	1	1	1	AH
2-78	LPLTMA399CBP0	Dryer support	1	1	1	1	AD
2-80	PBOX-A071CBFA	Terminal box	1	1	1	1	AE
2-81	PPIPPA055CBE0	Drain pipe S	1	1	1	1	AG
2-82	PTUBBA043CBE0	Insulating tube	1	1	1	1	AG
2-83	PSEL-B242CBE0	A-sealer air guid.C	2	2	2	2	AC
2-84	PSEL-B243CBE0	A-sealer air guid.D	2	2	2	2	AD

DOOR PARTS

3- 2	HDECAA072CBEB	Handle trim	1	1	1	1	AX
3- 5	FDORFA731CBK0	F-door ass'y	-	1	-	1	BQ
3- 5	FDORFA802CBK0	F-door ass'y	1	-	1	-	BP
3- 5-1	LSTPPA075CBFA	F-door stopper	1	1	1	1	AP
3- 5-2	NBRGPA013CBFB	Nylon bearing 2	1	1	1	1	AH
3- 6	FPACGA204CBK0	F-door packing	1	1	1	1	AZ
3- 9	GLIN-A145CBFA	F-door liner	1	1	1	1	AX
3-10	PFPFPA810CBE0	F-liner plate	2	2	2	2	AD
3-12	PFPFPA852CBE0	F-liner plate bottom	1	1	1	1	AD
3-14	PSEL-B126CBE0	F-door sealer	2	2	2	2	AG
3-15	FDORRA572CBK0	R-door ass'y	-	1	-	-	BU
3-15	FDORRA575CBK0	R-door ass'y	-	-	-	1	BV
3-15	FDORRA677CBK0	R-door ass'y	1	-	-	-	BU
3-15	FDORRA678CBK0	R-door ass'y	-	-	1	-	BV
3-15-1	LSTP-A043CBM0	R-door stopper	1	1	1	1	AH
3-15-2	NBRGPA012CBF0	Nylon bearing R	1	1	1	1	AE
3-15-3	NBRGPA014CBFB	Nylon bearing 3	1	1	1	1	AH
3-16	GLIN-A146CBFA	R-door liner	1	1	-	-	BA
3-16	GLIN-A147CBEA	R-door liner	-	-	1	1	BA
3-17	FPACGA205CBK0	R-door packing	1	1	-	-	BB
3-17	FPACGA206CBK0	R-door packing	-	-	1	1	BA
3-20	PFPFPA811CBE0	R-liner plate	2	2	-	-	AF
3-20	PFPFPA819CBE0	R-liner plate	-	-	2	2	AG
3-25	HBDGDA710CBEA	Badge	1	1	1	1	AP

OTHER PARTS

4- 1	LBND-A023CBE0	L-band C	7	7	7	7	AC
4- 3	LX-VZA003CBE0	Special screw	2	2	2	2	AB
4- 9	QTAN-A012CBE0	Solderless term. B	3	3	3	3	AH
4-14	PSPANA002CBF0	Door spacer	1	1	1	1	AC
4-15	LX-BZA018CBE0	Special screw	1	1	1	1	AA
4-17	LX-WZA003CBE0	Washer	4	4	4	4	AA

ATTACHMENT PARTS

5- 1	UPOK-A120CBRA	Bottle pocket HS	2	2	2	2	AQ
5- 2	UPOK-A117CBRA	Egg pocket HS	1	1	1	1	AM
5- 3	UPOK-A119CBRA	F door pocket HS	2	2	2	2	AT
5- 4	UPOK-A118CBRA	Utility pocket HS	1	1	2	2	AM
5- 5	UTNA-A167CBFC	Egg tray	2	2	2	2	AG
5- 6	FSRA-A142CBY0	Ice cube maker	1	1	1	1	AR
5- 7	LFRM-A200CBFA	Ice maker	1	1	1	1	AW
5- 8	USRA-A174CBRA	Ref.tray silk	2	2	3	3	AX
5- 9	USRA-A176CBRA	Freezer tray L silk	1	1	1	1	AT
5-11	USRA-A175CBRA	Freezer tray S silk	1	1	1	1	AU
5-12	HDECQA360CBEA	Glass shelf trim	1	1	1	1	AK
5-13	HGRL-A132CBFA	Ventilating grille	1	-	1	-	AR
5-13	HGRL-A132CBFB	Ventilating grille	-	1	-	1	AN
5-14	USRA-A177CBFA	Evaporating pan	1	1	1	1	AS
5-15	UTNA-A227CBE0	Glass shelf	1	1	1	1	BB
5-16	UYOK-A180CBFA	Vegetable case	1	1	1	1	AZ
5-17	UYOK-A181CBFA	Ice storage box	1	1	1	1	AH

REF. NO.	PART NO.	DESCRIPTION	Q'TY				CODE
			SJ-51G -N	SJ-51G -S	SJ-55G -N	SJ-55G -S	
5-18	UYOK-A179CBFA	Chilled case	1	1	1	1	AS
5-19	GDORPA042CBRA	Chilled door HS	1	1	1	1	AP
5-20	UTNA-A228CBRA	F-set shelf F silk	1	1	1	1	AU
5-21	UTNA-A229CBFA	Free set shelf B	1	1	1	1	AS

CYCLE PARTS

6- 1	PCMPLA130CBE0	Compressor	1	1	1	1	CA
6- 2	PSPAGA028CBE0	Rubber grommet	4	4	4	4	AD
6- 3	FCONSA051CBK0	Sub. condenser ass'y	1	1	1	1	AR
6- 4	FFRM-A085CBK0	Base frame ass'y	1	1	1	1	AG
6- 5	FDRY-A006CBK0	Dryer ass'y	1	1	1	1	AT
6- 6	PCLI-A035CBE0	Clip	1	1	1	1	AC
6- 9	PSPAFA020CBE0	Sleeve	4	4	4	4	AB
6-11	PPIPCA220CBE0	S.P connector	1	1	1	1	AH
6-12	LANG-A024CBP0	Absorbent rubber CLM	1	1	1	1	AC
6-13	LHLD-A061CBF0	Evaporating pan holder	2	2	2	2	AD
6-14	PGUM-A002CBF0	Absorbent rubber B	1	1	1	1	AH
6-15	PGUM-A003CBF0	Absorbent rubber B	1	1	1	1	AH
6-16	PGUM-A004CBF0	Absorbent rubber A	1	1	1	1	AH
6-18	PPIPCA222CBE0	Charge pipe L	2	2	2	2	BC
6-21	PCOVPA165CBE0	Terminal cover	1	1	1	1	AF

MISCELLANEOUS

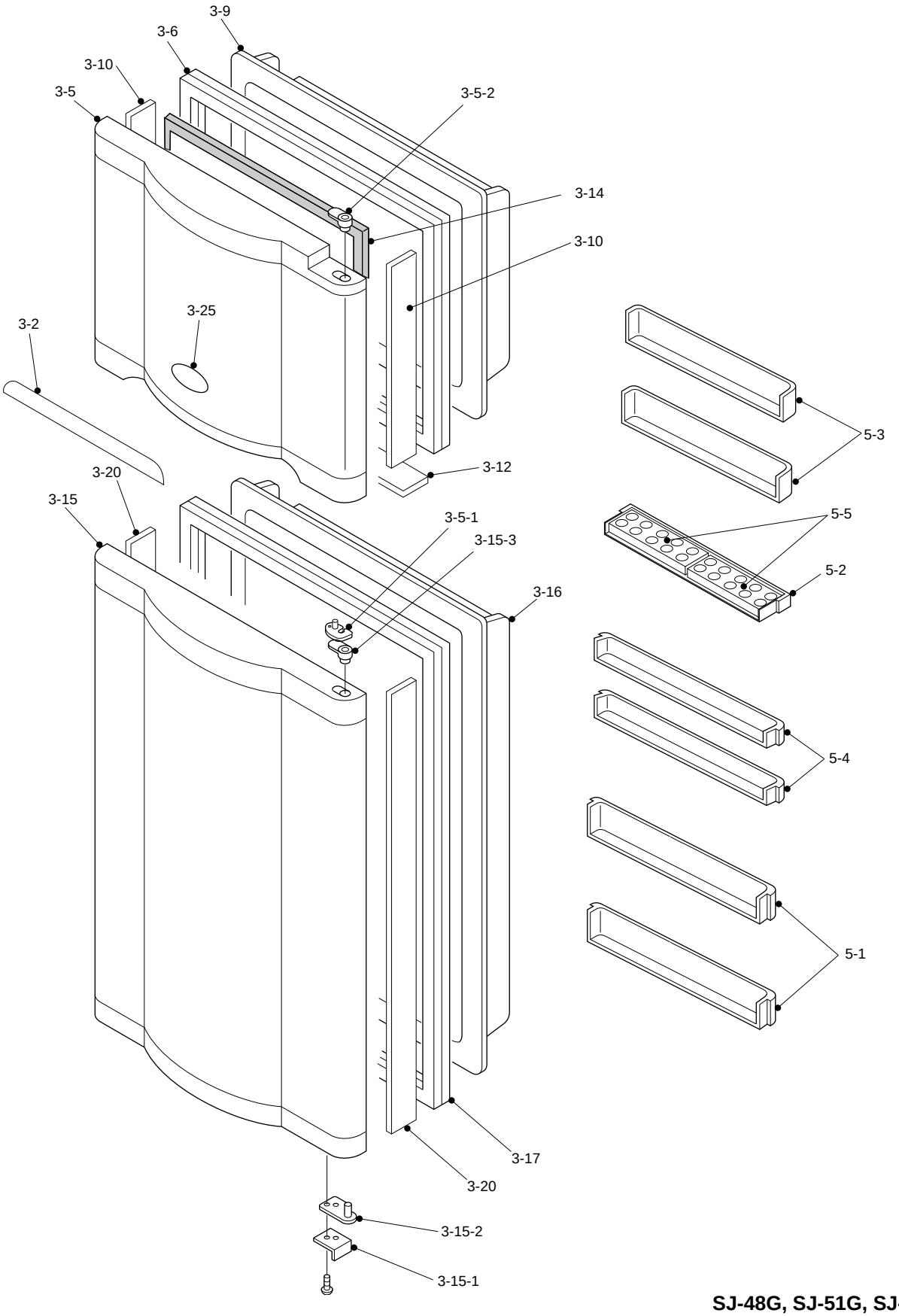
90- 1	TINS-A312CBR0	Operation manual(8-languages)	1	1	1	1	AK
90- 2	TLAB-A092CBR0	Lamp label	1	1	1	1	AD
90- 3	SPAKCH062YDE0	Packing case 51G	1	1	-	-	BF
90- 3	SPAKCH070YDE0	Packing case 55G	-	-	1	1	BF
90- 4	TLAB-A624CBR0	Energy label(Data)	1	1	-	-	AB
90- 4	TLAB-A626CBR0	Energy label(Data)	-	-	1	1	AB
90- 6	CPADBA501YDK0	Bottom pad ass'y	1	1	1	1	AY
90- 7	CPADBA495YDK0	Top pad ass'y	1	1	1	1	AS
90- 8	TLAB-A637CBR0	Energy label (GB)	1	1	1	1	AG
90- 9	TLAB-A638CBR0	Energy label (D)	1	1	1	1	AG
90-10	TLAB-A639CBR0	Energy label (F)	1	1	1	1	AG
90-11	TLAB-A640CBR0	Energy label (E)	1	1	1	1	AG
90-12	TLAB-A641CBR0	Energy label (I)	1	1	1	1	AG
90-13	TLAB-A642CBR0	Energy label (GR)	1	1	1	1	AG
90-14	TLAB-A643CBR0	Energy label (P)	1	1	1	1	AG
90-15	TLAB-A644CBR0	Energy label (NL)	1	1	1	1	AG
90-16	TLAB-A635CBE0	Case label S	-	4	-	4	AD
90-16	TLAB-A646CBE0	Case label N	4	-	4	-	AB
90-17	TLAB-A636CBE0	CE label	2	2	2	2	AD
90-18	TINS-A321CBR0	Operation manual I(Only for U.K.)	-	-	1	1	AK

HOW TO ORDER REPLACEMENT PARTS

To have your order filled prompty and correctly, please furnish the following information.

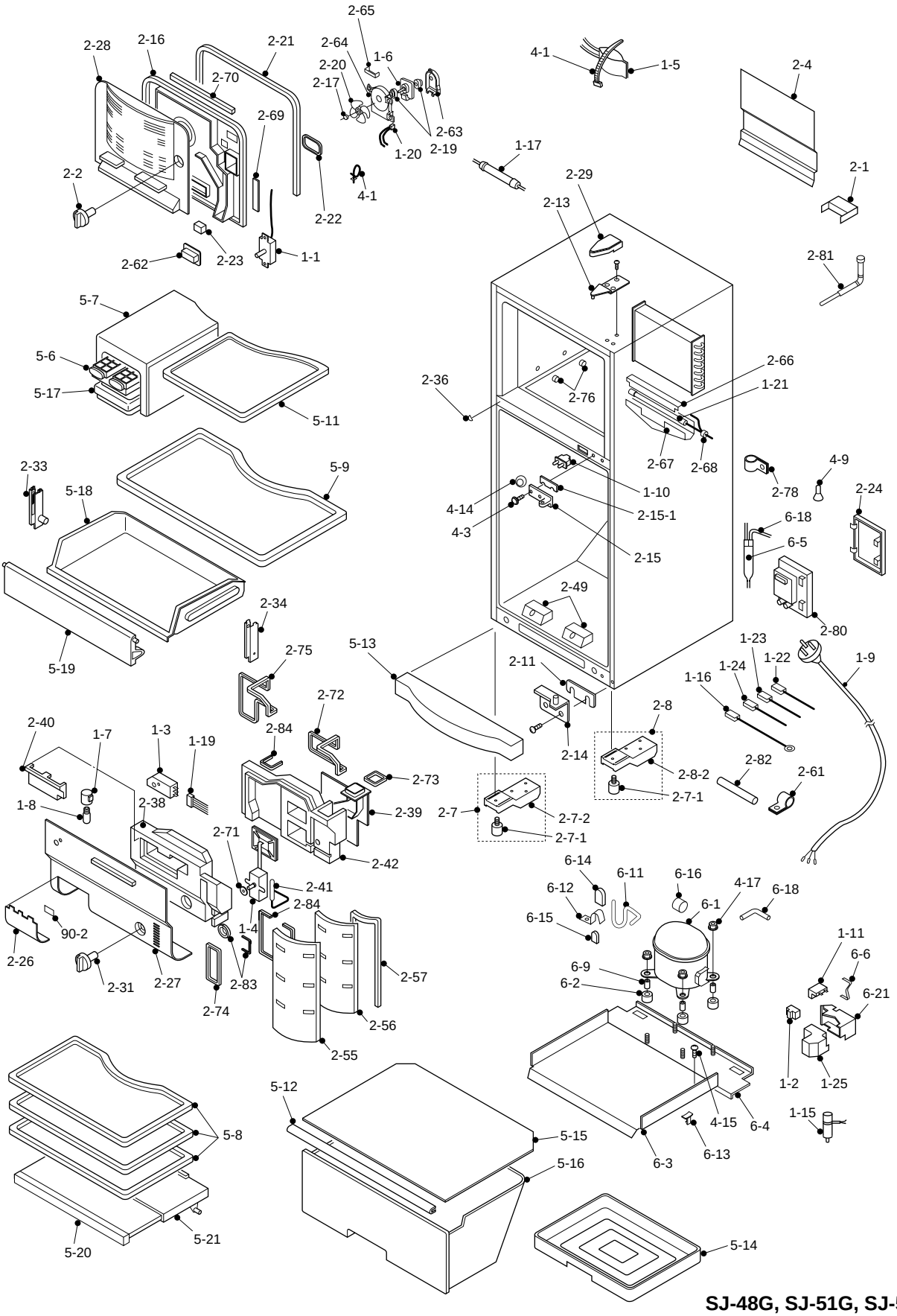
1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION

DOOR PARTS



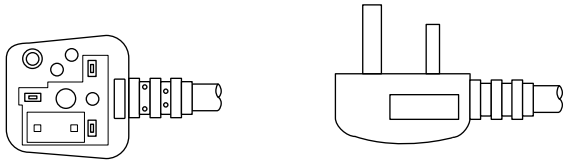
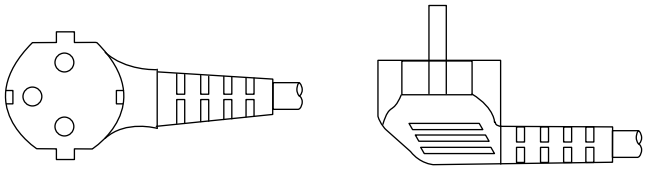
SJ-48G, SJ-51G, SJ-55G

CABINET PARTS



SJ-48G, SJ-51G, SJ-55G

● PLUG TYPE

Type	Plug	Section of Power Supply Cord	Destination
BF	 with FUSED		I (Only for U.K.)
C-9			E

SJ-48G-S/N
SJ-51G-S/N
SJ-55G-S/N

SHARP

'96 SHARP CORP. (1U1.70E) Printed in Japan